

CLAIMS

What is claimed is:

5 1. A method of promoting neurogenesis comprising the step of:
administering a therapeutic amount of a nitric oxide donor compound to a
patient in need of neurogenesis promotion.

10 2. A compound for promoting neurogenesis comprising an effective
amount of a nitric oxide donor sufficient to promote neurogenesis.

15 3. A neurogenesis promoter comprising a nitric oxide donor in a
pharmaceutically acceptable carrier.

20 4. The neurogenesis promoter according to claim 3, wherein said nitric
oxide donor augments nitric oxide in a tissue.

25 5. The neurogenesis promoter according to claim 4, wherein said nitric
oxide donor is selected from the group consisting essentially of phosphodiesterase
inhibitors, L-arginine, sildenafil, and LIPITOR.

30 6. A method of augmenting the production of neurons by administering an
effective amount of a nitric oxide donor to a site in need of augmentation.

35 7. A method of increasing neurological function by administering an
effective amount of a nitric oxide donor to a patient. *in need*

40 8. A method of increasing cognitive and neurological function by
administering an effective amount of a nitric oxide donor compound to a patient. *in need*